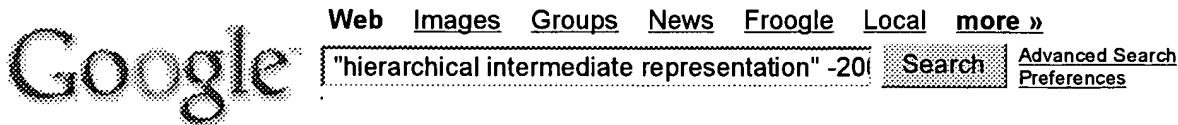


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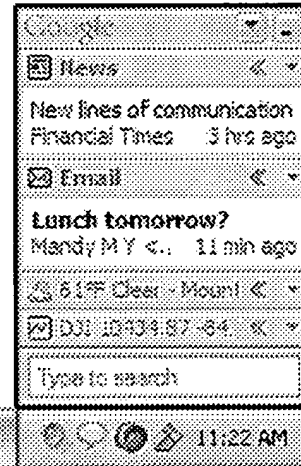
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S Gupta, ND Dutt, RK Gupta, A Nicolau - International Conference on VLSI Design, 2003 - [ieeexplore.ieee.org](#)

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... We capture the control flow between basic blocks using a **hierarchical intermediate representation** called hierarchical task graphs (HTGs) [15, 16]. ...

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S Gupta, RK Gupta, ND Dutt, A Nicolau - ACM Transactions on Design Automation of Electronic Systems, 2004 - portal.acm.org

... 4.1 HTGs: A **Hierarchical Intermediate Representation** for Control-Intensive Designs

We define a hierarchical task graph as follows: Definition 4.1. ...

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S Gupta, ND Dutt, R Gupta, A Nicolau - 2004 - books.google.com

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A Cohen, S Girbal, D Parelo, M Sigler, O Temam, N ... - ACM Int. Conf. on Supercomputing (ICS'05) - portal.acm.org

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Albert Cohen, Marc Sigler, Sylvain Girbal, Olivier Temam, David Parelo, Nicolas Vasilache
 June 2005 **Proceedings of the 19th annual international conference on Supercomputing ICS '05**

Publisher: ACM Press

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Static compiler optimizations can hardly cope with the complex run-time behavior and hardware components interplay of modern processor architectures. Multiple architectural phenomena occur and interact simultaneously, which requires the optimizer to combine multiple program transformations. Whether these transformations are selected through static analysis and models, runtime feedback, or both, the underlying infrastructure must have the ability to perform long and complex compositions of progra ...

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Sumit Gupta, Rajesh Kumar Gupta, Nikil D. Dutt, Alexandru Nicolau
 October 2004 **ACM Transactions on Design Automation of Electronic Systems (TODAES)**, Volume 9 Issue 4

Publisher: ACM Press

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Keywords: Code motions, common subexpression elimination, dynamic CSE, embedded systems, high-level synthesis, parallelizing transformations, presynthesis

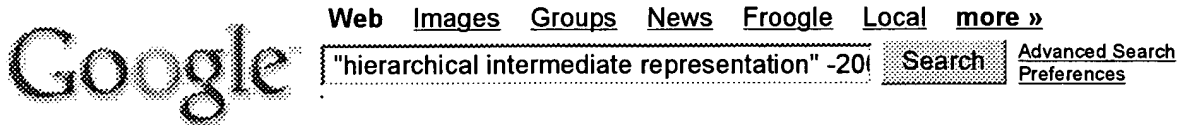
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21	BRS	L29	2	"6662356".pn. and (returns same program same information)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/15 18:54
22	BRS	L30	2	"6662356".pn. and (program same information)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/15 18:56
23	BRS	L31	2	"6662356".pn. and (return adj information)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/15 18:59
24	BRS	L32	0	"6662356".pn. and (modifier adj information)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/15 18:59
25	BRS	L33	2	"6662356".pn. and (mod\$5adj information)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/15 18:59

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26	BRS	L34	1	"6662356".pn. and (mod\$5 adj information)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/15 19:00
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30	BRS	L38	1	"6662356".pn. and binary	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/15 19:06

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31	BRS	L39	1	"6662356".pn. and binary and code	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/15 19:21
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